

AMENDED CLAIM SET:

1. (currently amended) A denitrifying composition for microbially removing nitrate nitrogen from water, said composition comprising particles of calcium carbonate dispersed in sulfur by heating and dispersing calcium carbonate particles in melted sulfur and solidifying the dispersion by cooling.

2. (currently amended) ~~The denitrifying composition as described in claim 1, wherein A denitrifying composition for microbially removing nitrate nitrogen from water, said composition comprising particles of calcium carbonate and particles of a substance possessing cation exchange capacity is additionally dispersed in the sulfur.~~

3. (currently amended) ~~The denitrifying composition as described in claim 1, wherein A denitrifying composition for microbially removing nitrate nitrogen from water, said composition comprising particles of calcium carbonate and particles of a microporous substance is additionally dispersed in the sulfur.~~

4. (currently amended) The denitrifying composition as described in ~~claim 1, any one of claims 1 to 3~~ wherein the ratio by weight of sulfur to calcium carbonate is 1:0.3 to 1:3.

5. (previously presented) The denitrifying composition as described in claim 3 comprising 10 parts by weight of sulfur, 10-15 parts by weight of calcium carbonate, and 1-3 parts by weight of a microporous substance.

6. (previously presented) The denitrifying composition as described in claim 1 wherein said sulfur is amorphous sulfur.

7. (previously presented) The denitrifying composition as described in claim 1 wherein the shape of said composition is granular, massive, or molded.

8. (previously presented) A denitrifying material comprising a mixture of a denitrifying composition as described in claim 1 and mineral fibers.

9. (previously presented) The denitrifying material as described in claim 8 wherein said mineral fibers are rock wool.

10. - 14. (cancelled).

¹²
~~15.~~ (previously presented) A method of decreasing the nitrate nitrogen concentration of water which comprises the step of contacting water containing nitrate ions with the composition of claim 1.

¹³
~~16.~~ (currently amended) A ~~The method of decreasing nitrate nitrogen concentration of an~~ claim ~~15~~ for treating effluent selected from the group consisting of factory effluent, sewage effluent, and agricultural effluent, which method comprises the steps of placing the composition of claim 1 in a cage or a net to provide a denitrifying assembly and immersing the denitrifying assembly in said effluent.

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~~17.~~ (currently amended) A ~~The method of decreasing nitrate nitrogen concentration of an~~ claim ~~15~~ for treating effluent selected from the group consisting of factory effluent, sewage effluent, and agricultural effluent, which method comprises the steps of packing a column with the composition of claim 1 to provide a denitrifying assembly and passing said effluent through said denitrifying assembly.

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~~18.~~ (currently amended) A The method of ~~decreasing nitrate nitrogen concentration of an claim 15 for treating~~ effluent selected from the group consisting of factory effluent, sewage effluent, and agricultural effluent, which method comprises the steps of dispersing the composition of claim 1 in a tank and bringing said effluent into contact with said composition in said tank.

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~~19.~~ (previously presented) The denitrifying composition of claim 3, wherein said microporous substance is carbon derived from rice hull.

⁰¹
~~20.~~ (currently amended) The denitrifying composition of claim 3 [[2]], wherein said ~~microporous substance possessing cation exchange capacity~~ is kieselguhr.